

# Polyflam 12N5006NR5A123

LyondellBasell Industries - Polypropylene

## General Information

### Product Description

Polyflam 12N5006NR5A123 is a Polypropylene, Unspecified material. Features include: Low Blooming.

### General

Additive	• Flame Retardant
Features	• Flame Retardant • Low Blooming
Appearance	• Colors Available
Forms	• Pellets

## Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.940		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2600	psi	ASTM D638
Flexural Modulus - Tangent	125000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256
Gardner Impact	190	in-lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	175	°F	ASTM D648
RTI Str	239	°F	UL 746B
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-2		UL 94

## Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	4.0	hr
Rear Temperature	351 to 421	°F
Middle Temperature	351 to 441	°F
Front Temperature	351 to 441	°F
Nozzle Temperature	351 to 441	°F
Processing (Melt) Temp	360 to 441	°F
Mold Temperature	90 to 151	°F
Injection Rate	Slow-Moderate	
Back Pressure	< 99.9	psi
Cushion	0.250 to 0.500	in